

COMPOSITIONS AND METHODS FOR NONENZYMIC LIGATION OF OLIGONUCLEOTIDES AND DETECTION OF GENETIC POLYMORPHISMS

Abstract

The invention is directed to novel compositions and methods for nonenzymatic ligation of oligonucleotides. In one aspect of the invention, the nonenzymatic ligation is selenium-mediated or tellurium mediated ligation. In another aspect, the invention provides for the use of fluorescence resonance energy transfer (FRET) to detect the nonenzymatic ligation.

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